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BULGARIAN ELECTRIC POWER CONSTRUCTION

PETROKHAN POWER PLANT NETWORK UNDER CONSTRUCTION -- Sofia, Otechestven Front, 11 Jun 52

In 1947, a project was begun to divert the rivers and streams from the southern slope of the Petrokhan Mountain pass to the northern slope. A 70-kilometer canal was planned from the Kom and Koznitsa mountains to the confluence of the Iskur River; this canal would collect water for the three electric power plants of the projected power network.

The network of hydroelectric plants begins in the Kom and Koznitsa mountains. The Ginska River is the largest source of water; it supplies 2 cubic meters /per second?/ to the network. The canal will gather all the streams which will serve the Klisura VETs (Hydroelectric Power Plant). The thickness of the concrete in the canal increases in proportion to the greater depth of the water, from an initial diameter of 80 centimeters to a diameter of 1.60 centimeters where the canal ends at the water tower of the third plant.

The water which comes to Petrokhan through an east-west canal flows into a reservoir of the network near Petrokhan. From the reservoir the water flows to the north via the new canal and eventually reaches the Burziya VETs.

The water then continues to the Klisura VETs. Three and one-half kilometers of the canal is scheduled to be completed by the end of 1952 so that the Klisura VETs can be put into operation at that time. There are four tunnels along the canal which are used to cut through the village of Burziya.

Yordan Panayotov, who worked on the "Vulko Chervenkov" and "Stalin" VETs, is the director and chief engineer in charge of completing the network.

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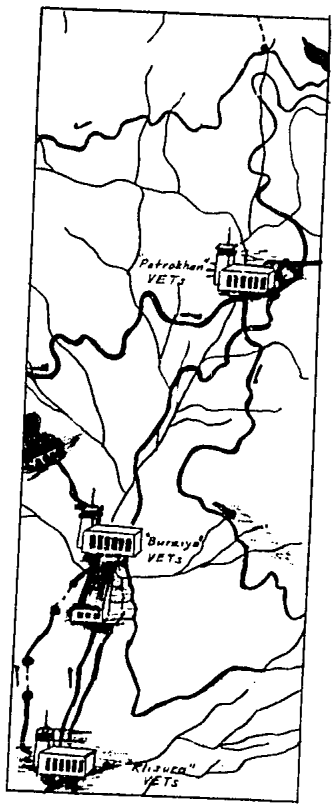
The accompanying sketch shows the "Petrokhan" VETs Network, which consists of the "Petrokhan," "Burziya", and "Klisura" VETs.



POWER LINE PUT INTO OPERATION -- Sofia, Rabotnichesko Delo, 19 Aug 52

Kurdzhali, 18 August -- The "Trafostantsii i dalekoprovodi" Durznavno montazhno predpriyatie (Substations and High-Tension Power Lines State Installation Enterprise) recently completed the Dimitrograd-Kurdzhali-Konski Dol High-Tension Power Line. Much of the equipment on the line was produced by the STZ (Silnotokovi Zavod, High-Current Plant) "Vasil Kolarov." The first Bulgarian-made 110-kilovolt transformer, designed by Engineer Beshkov, was also installed on the line.

PRODUCES TRANSFORMERS AND GENERATORS -- Sofia, Vecherni Novini, 4 Aug 52

The STZ "Vasil Kolarov" produces daily tens of powerful transformers, electric motors, and low-voltage and high-voltage apparatus for new power stations, mines, industrial enterprises, and agriculture. At present the plant is building a 12,500-kilovolt-ampere transformer and the first Bulgarian-made generator.

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